

Title (en)

Method and apparatus for preprocessing of an acoustic signal before speech coding.

Title (de)

Verfahren und Gerät zum Vorverarbeitung von einem akoustischen Signal vor der Sprachcodierung.

Title (fr)

Procédé et dispositif de prétraitement d'un signal acoustique en amont d'un codeur de parole.

Publication

**EP 0685836 A1 19951206 (FR)**

Application

**EP 95401261 A 19950531**

Priority

FR 9406824 A 19940603

Abstract (en)

The method involves input of an acoustic signal to a high pass filter. If the energy (E2) of the high-pass filter output exceeds a certain fraction of the energy (E1) of the unfiltered signal, a first state is selected. If it is less, a second state is selected where the signal is subjected to high frequency pre-emphasis. The modification does not occur if the filtered signal energy is less than a threshold. The state is changed if several successive signal frames indicate a state different to that previously determined. A counter (32) is incremented when a comparator (27) indicates a different state and is decremented towards zero when the same state is indicated. At a threshold value, the output state is changed and returns to zero. <IMAGE>

IPC 1-7

**G10L 7/02; G10L 9/14**

IPC 8 full level

**G10L 19/06** (2013.01)

CPC (source: EP US)

**G10L 19/06** (2013.01 - EP US)

Citation (search report)

- [A] EP 0477960 A2 19920401 - NEC CORP [JP]
- [DA] EP 0347307 A2 19891220 - MATRA COMMUNICATION [FR]
- [A] EP 0243562 A1 19871104 - IBM [US]

Designated contracting state (EPC)

DE ES GB IT NL SE

DOCDB simple family (publication)

**EP 0685836 A1 19951206; EP 0685836 B1 19990721**; DE 69510865 D1 19990826; DE 69510865 T2 20000713; FR 2720849 A1 19951208; FR 2720849 B1 19960814; US 5644679 A 19970701

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